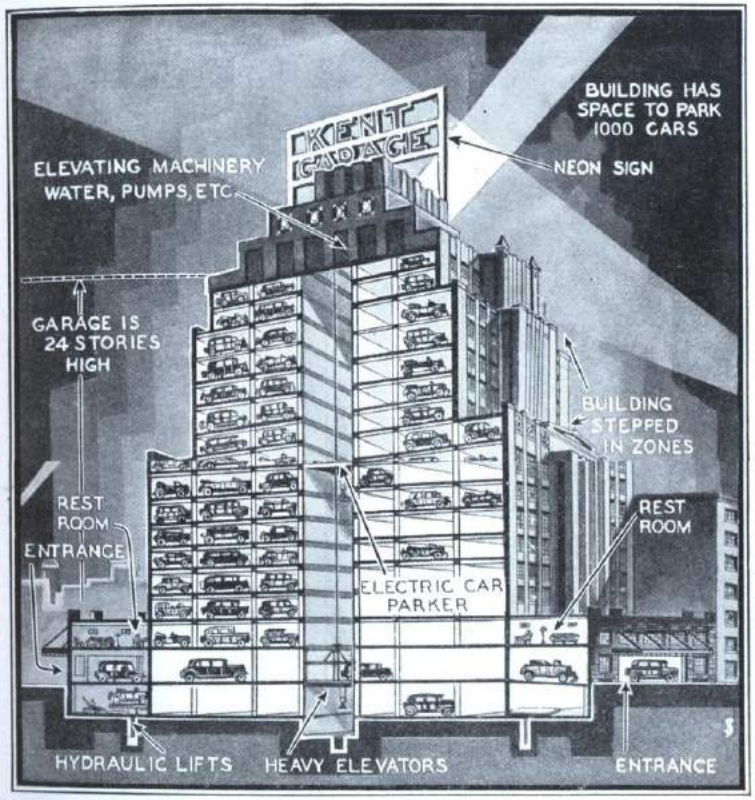
HOTEL for AUTOS



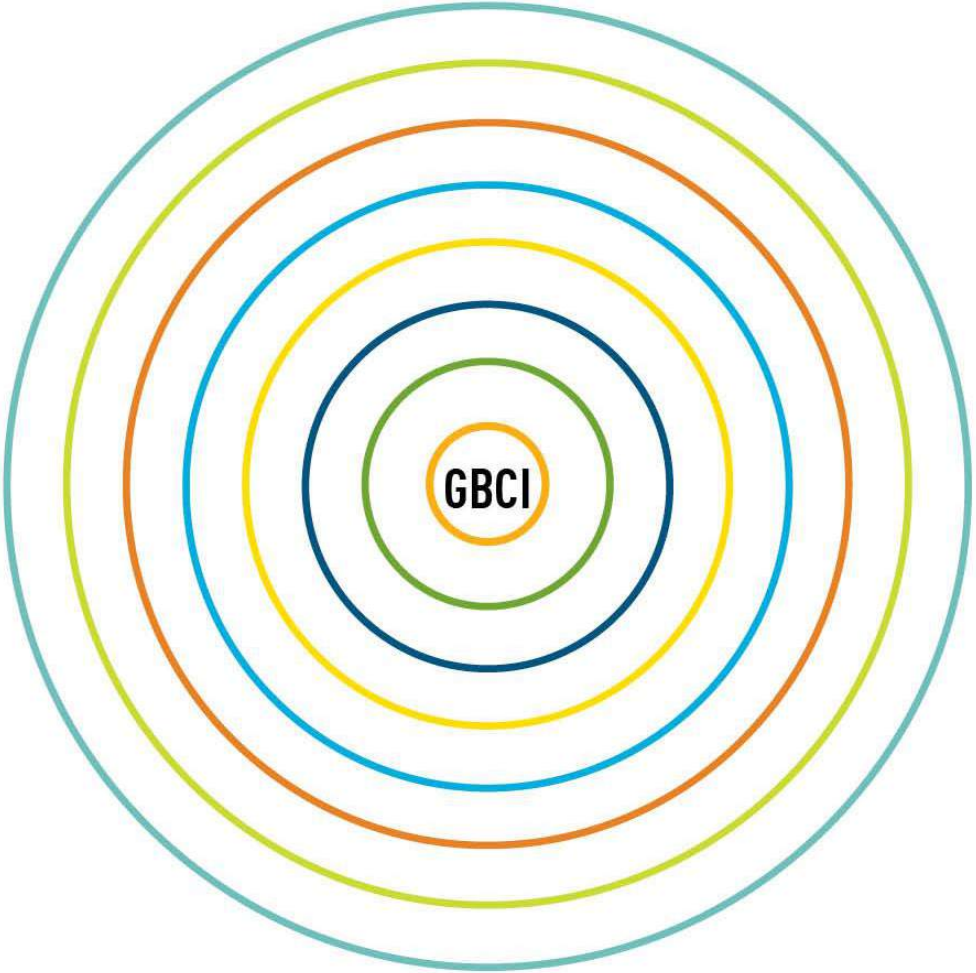
HALF MARATH
FINISHER 2009
IN THE KITCHEN
I DO NOT

NOKIA
15:20
Me
Nokia Camera
Pick up bike
Cycle Centre
Tomorrow
5:00 PM - 5:30PM
Wed 05
8
Mail
HALO
To Do List

The U.S. Green Building Council (USGBC®) and its community are changing the way buildings and communities are designed, built and operated. We believe in better buildings; places that complement our environment and enhance our communities. Places that give people better, brighter, healthier places to live, work and play.

GREEN BUSINESS®
CERTIFICATION INC.

Green Business Certification Inc. (GBCI) is the premier organization independently recognizing excellence in green business industry performance and practice globally. GBCI is the only certification and credentialing body within the green business and sustainability industry to exclusively administer project certifications and professional credentials and certificates of LEED, PEER, WELL, SITES, GRESB and now, Green Garage Certification.



LEED

WELL

PEER

GRESB

SITES

EDGE

PARKSMART

Parksmart

Parksmart is the world's only rating system defining & recognizing sustainable practices in parking structure management, programming, design & technology.

Transport accounts for

- **60% of global oil consumption**
- **27% of all energy use**
- **23% of world CO_2 emissions**

Garage at Post Office Square

- 1,400-space garage below a park in Boston's Financial District
- Management highlights include eliminating the use of all cleaning chemicals within the garage
- Program highlights include a crasher hub that reserves 7 spaces for carshare vehicles
- Technology innovation highlights include a groundwater harvesting system that shares 2,000 gallons of potable water every day

Charles Square

Charles Square Garage—Cambridge, Massachusetts

Charles Hotel Garage, located in the historic Harvard Square in Cambridge, MA, is a 500-space two-level garage located beneath a mixed-use complex of a luxury hotel, condominiums, retail and a commercial tower. The garage roof supports an exterior courtyard at street level and an interior raised courtyard, each of which regularly host placemaking activities. The garage offers free EV charging, bike sharing, tire inflation, and an innovative small car discount program.

FAST FACTS

Parking Spaces:

- Garage capacity 500 spaces
- 12 reserved spaces for car sharing by Zipcars.
- 16 reserved spaces for low emitting and fuel efficient vehicles.
- 4 reserved spaces for alternative fuel vehicles.
- 2 level-One and 1 level-Two EV charging stations.
- 6 free rental bicycles for hotel guests.

Energy Efficiency:

- High efficiency LED lighting yielding the highest light power density (LPD=0.065).
- Energy consumption offset with RECs purchasing.

Charles Square

Charles Square Garage—Cambridge, Massachusetts

Management

- Extensive recycling program with a high participation rate.
- Green cleaning practices with electric sweeper and pressure washing.
- EnergyStar portfolio Manager monitoring of energy use.

Programs

- Active Placemaking with two publicly accessible courtyards and year-round public events including farmer's market in Spring, Summer and Fall and an ice-skating rink in Winter.
- A free bike share program for hotel guests and a nearby public bike share station
- Prolific green marketing program inside garage as well as online

Technology & Structure Design

- Demand-controlled, sensor activated ventilation system.
- Energy consumption offset with renewable energy credits (RECs).
- Innovative and automated small car discount program and small car reserved spaces

NANOMAX

MANAGEMENT	PROGRAMS	TECHNOLOGY AND STRUCTURE DESIGN
Parking Pricing	Placemaking	Idle Reduction Payment Systems
Shared Parking	Access to Mass Transit	Fire Suppression Systems
TMO/TMA	Wayfinding Systems - External	No/Low VOC Coatings, Paints, Sealants
Recycling Program	Wayfinding Systems - Internal	Tire Inflation Stations
Sustainable Purchasing Program	Traffic Flow Plan	EV Charging Stations
Proactive Operational Maintenance	Carshare Program	HVAC Systems - Occupied Spaces
Cleaning Procedures - Occupied Spaces	Rideshare Program	Ventilation Systems - Parking Decks
Cleaning Procedures - Parking Decks	Low-emitting and Fuel Efficient Vehicles	Lighting Controls
Building Systems Commissioning	Alternative Fuel Vehicles	Energy Efficient Lighting System
Construction Waste Management	Alternative Fuel Fleet Vehicles	Stormwater Management
Regional Materials	Bicycle Parking	Rainwater Harvesting
Regional Labor	Bicycle Sharing/Rental	Greywater Reuse
Reused/Repurposed/Recycled Materials	Marketing/Educational Program	Indoor Water Efficiency
Third Party Sustainability Certification		Water Efficient Landscaping
Credentialed Management		Roofing Systems
Life Cycle Assessment		Renewable Energy Generation
	INNOVATION	Design for Durability
	Innovative Approach	Energy Resiliency - Storage

Less	More
Energy	Choice
Cost	Mobility
Space	Multi-modality
CO2	Satisfaction
Congestion	Efficiency
Friction	Profit
Waste	Performance

Parksmart =
more mobility using fewer resources

Parksmart =

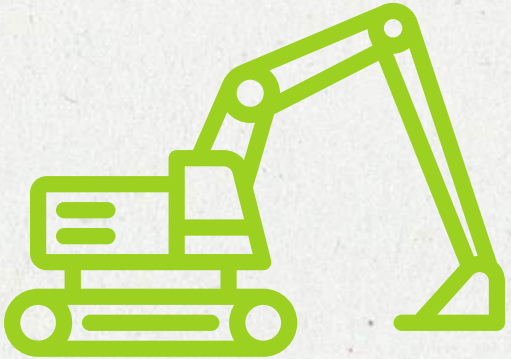
High performance parking facilities that get smarter over time.

» 48 measures of achievement across 4 categories

» 4 levels of certification:

- Pioneer (only for existing projects): minimum of 90 points out of 248
- Bronze: between 110 - 134 points
- Silver: between 135 - 159 points
- Gold: 160 or more points

NEW CONSTRUCTION



- A design standard
- Ensures triple bottom line performance
- Recognition as a forward-thinking facility shaping tomorrow's sustainable mobility network
- A self-updating hedge against parking asset obsolescence.

EXISTING GARAGES

- Assesses & improves the triple bottom line performance
- Assures owners that parking asset managers & operators are state-of-the-art, high-performing managers
- Celebrates & recognizes forward-thinking facilities shaping tomorrow's sustainable mobility network
- Enables continuous improvement

- 49 garages currently enrolled spanning all market sectors
- Interest from 6 out of 7 continents
- Higher performing garages
- Lower interest rates on construction dollars
- Mandates by asset owners

MANAGEMENT	MAX POINTS
Parking Pricing	6
Shared Parking	6
TMO/TMA	4
Recycling Program	4
Sustainable Purchasing Program	2
Proactive Operational Maintenance	6
Cleaning Procedures - Occupied Spaces	2
Cleaning Procedures - Parking Decks	6
Building Systems Commissioning	8
Construction Waste Management	6
Regional Materials	6
Regional Labor	4
Reused/Repurposed/Recycled Materials	6
Third Party Sustainability Certification	12
Credentialed Management	4
Life Cycle Assessment	8

PROGRAMS	MAX POINTS
Placemaking	6
Access to Mass Transit	4
Wayfinding Systems - External	4
Wayfinding Systems - Internal	4
Traffic Flow Plan	4
Carshare Program	6
Rideshare Program	6
Low-emitting and Fuel Efficient Vehicles	4
Alternative Fuel Vehicles	6
Alternative Fuel Fleet Vehicles	4
Bicycle Parking	6
Bicycle Sharing/Rental	6
Marketing/Educational Program	4
INNOVATION	
Innovative Approach	6

TECHNOLOGY AND STRUCTURE DESIGN	MAX POINTS
Idle Reduction Payment Systems	4
Fire Suppression Systems	2
No/Low VOC Coatings, Paints, Sealants	2
Tire Inflation Stations	2
EV Charging Stations	6
HVAC Systems - Occupied Spaces	6
Ventilation Systems - Parking Decks	6
Lighting Controls	8
Energy Efficient Lighting System	8
Stormwater Management	6
Rainwater Harvesting	4
Greywater Reuse	2
Indoor Water Efficiency	2
Water Efficient Landscaping	2
Roofing Systems	6
Renewable Energy Generation	12
Design for Durability	6
Energy Resiliency - Storage	4

Total Management Points	90
Total Programs Points	64
Total Technology & Structure Design Points	88
Total Innovation Points	6
Total Parksmart Points	**248**

Parksmart

Parksmart Award Levels

Pioneer:	90	*Existing facility*
Bronze:	110 - 134	*New construction*
Silver:	135 - 159	
Gold:	160+	

Required minimums in Management, Programs and Technology & Structure Design categories: 15 in each category for existing facilities and 20 in each category for new construction

HOSPITALITY IN MOTION

All over the world, the hospitality industry and its many stakeholders are recognizing that green building works and enhances a company's triple bottom line—people, planet and profit.

"As technology and transparency of information become ubiquitously available, travelers will have the ability to choose a hotel based on the environmental impact of their stay. USGBC's LEED Dynamic Plaque is the beginning of this revolution."

SARI DILLER LEED AP BD+C
Design Manager
Marriott International

"Future customers will seek out hotels with efficient energy and water systems, high levels of recycling, ready access to public transportation, and a wide offering of organic and locally grown foods. Credible, third-party reviewers, like those for LEED, will hasten this evolution by providing verifiable data about hotels and restaurants rather than subjecting consumers to unsubstantiated marketing claims."

CINDY ORTEGA
SVP and Chief Sustainability Officer
MGM Resorts International

GREENBUILD®
INTERNATIONAL CONFERENCE AND EXPO

ALL IN

BOSTON 2017

BOSTON CONVENTION & EXHIBITION CENTER

EXPO
NOV. 8-9

CONFERENCE
NOV. 8-10

GREENBUILDEXPO.COM

Greenbuild
Sustainability Objectives

1. Move toward a zero waste event
2. Increase stakeholder education and engagement
3. Improve sustainable sourcing
4. Improve performance tracking
5. Reduce greenhouse gas emissions
6. Positively impact communities
7. Catalyze the advancement of green building initiatives and sustainable operations within the hospitality industry

Hotels

To book your hotel reservation, please call (855) 992-3353 or book online now!

Official Housing Partner ONPEAK

Our Eco-Friendly Hotels

greenleaders

The following Greenbuild hotels are part of TripAdvisor's GreenLeaders Program and are committed to green practices such as recycling, local and organic food sourcing, and providing electric car charging stations:

- **Hyatt Regency Boston** - TripAdvisor Gold
- **Seaport Boston Hotel** - Trip Advisor Gold
- **Aloft Boston Seaport** - Trip Advisor Silver
- **Element Boston Seaport** - Trip Advisor Silver
- **Boston Marriott Copley Place** - TripAdvisor Silver
- **Boston Marriott Long Wharf** - TripAdvisor Silver
- **Sheraton Boston Hotel** - TripAdvisor Silver
- **Renaissance Boston Waterfront** - TripAdvisor Silver
- **Boston Park Plaza** - TripAdvisor Bronze
- **Omni Parker House** - TripAdvisor Bronze
- **Westin Boston Waterfront** - TripAdvisor Bronze
- **Westin Copley Place** - TripAdvisor Bronze
- **DoubleTree by Hilton Hotel Boston - Downtown** - TripAdvisor GreenPartner

GREENBUILD®
INTERNATIONAL CONFERENCE AND EXPO

Hotel Program Goals

- Reduce the environmental impact of Greenbuild
- Work with hotels to improve sustainability programs
- Provide resources on green operations and benchmarking
- Ensure contract compliance
- Collect hotel environmental performance information

Parksmart

ABOUT CERTIFICATION PARKSMART ADVISOR RESOURCES

Parksmart defines and recognizes sustainable practices in parking structure management, programming, design and technology. Industry-driven and field tested, Parksmart distinguishes the forward-thinking parking facilities shaping tomorrow's sustainable mobility network.

parksmart.gbci.org

Parksmart@gbci.org

ENERGY
WATER
WASTE
TRANSPORTATION
HUMAN EXPERIENCE
33
15
12
10
8
LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN
76
GOLD

A BUILDING PERFORMANCE MONITORING AND SCORING PLATFORM.

Live building performance score

A tool for earning LEED certification

Global benchmarking

ENERGY
WATER
WASTE
TRANSPORTATION 0
HUMAN EXPERIENCE 0
33
15
8
14
20
30
6
LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN
60
GOLD